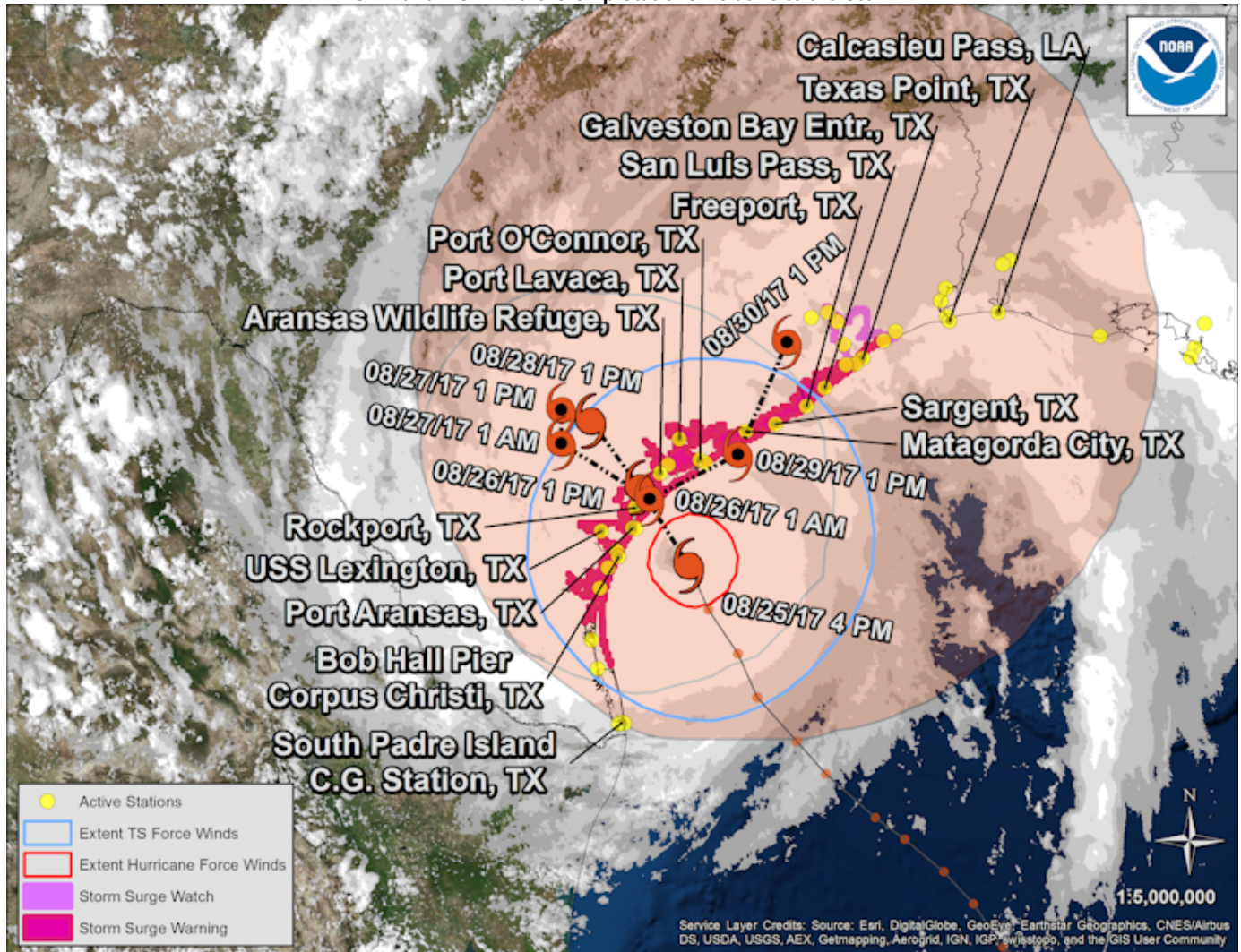




Hurricane HARVEY QuickLook

Posted: 17:00 CDT 08/25/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 8/25/2017 1700 CDT, water levels along the Texas and Louisiana coastlines are rising and range from 1 to 3.5 feet above tidal predictions. The highest water level residuals of 2.5- 3.5 feet, at this hour are occurring on the eastern side of landfalling Hurricane Harvey. West of the center of circulation, the winds are from the west and southwest helping to keep residuals lower in some areas. Winds continue to increase with several locations in the last few hours observing wind gusts upwards of 60 -75 knots, closest to the area of landfall. Elsewhere, further up the Texas coast average wind gusts are around 40 knots at this time. Barometric pressure continues to fall and is rather low across the region as Harvey makes landfall this evening.

Water Level and Meteorological plots available below are updated automatically. A line denoting [Mean Higher High Water \(MHHW\)](#) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: CRD

SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

**HURRICANE HARVEY ADVISORY NUMBER 22
NWS NATIONAL HURRICANE CENTER MIAMI FL
400 PM CDT FRI AUG 25 2017**

**...MAJOR HURRICANE HARVEY BEARING DOWN ON THE TEXAS COAST...
...CATASTROPHIC FLOODING EXPECTED DUE TO HEAVY RAINFALL AND STORM
SURGE...**

SUMMARY OF 400 PM CDT....INFORMATION

**LOCATION...27.5N 96.5W
ABOUT 60 MI... ESE OF CORPUS CHRISTI TEXAS
ABOUT 60 MI... S OF PORT OCONNOR TEXAS
MAXIMUM SUSTAINED WINDS...125 MPH
PRESENT MOVEMENT...NW OR 325 DEGREES AT 10 MPH
MINIMUM CENTRAL PRESSURE...941 MB**

WATCHES AND WARNINGS**CHANGES WITH THIS ADVISORY:**

**THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED SOUTH OF PORT
MANSFIELD, TEXAS.**

**THE STORM SURGE WATCH HAS BEEN DISCONTINUED SOUTH OF PORT
MANSFIELD, TEXAS.**

**THE GOVERNMENT OF MEXICO HAS DISCONTINUED THE TROPICAL STORM WATCH
NORTH OF BOCA DE CATAN.**

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

**A STORM SURGE WARNING IS IN EFFECT FOR...
* PORT MANSFIELD TO HIGH ISLAND TEXAS**

**A HURRICANE WARNING IS IN EFFECT FOR...
* PORT MANSFIELD TO SARGENT TEXAS**

**A TROPICAL STORM WARNING IS IN EFFECT FOR...
* NORTH OF SARGENT TO HIGH ISLAND TEXAS**

**A STORM SURGE WARNING MEANS THERE IS A DANGER OF LIFE-THREATENING
INUNDATION FROM RISING WATER MOVING INLAND FROM THE COASTLINE IN THE
INDICATED LOCATIONS. FOR A DEPICTION OF AREAS AT RISK, PLEASE SEE THE
NATIONAL WEATHER SERVICE STORM SURGE WATCH/WARNING GRAPHIC,
AVAILABLE AT HURRICANES.GOV. THIS IS A LIFE-THREATENING SITUATION.**

**A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA, IN THIS CASE WITHIN THE NEXT FEW
HOURS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD ALREADY BE
COMPLETE.**

**INTERESTS IN SOUTHWESTERN LOUISIANA SHOULD CONTINUE TO MONITOR THE
PROGRESS OF THIS SYSTEM.**

**FOR STORM INFORMATION SPECIFIC TO YOUR AREA, INCLUDING POSSIBLE INLAND
WATCHES AND WARNINGS, PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL
NATIONAL WEATHER SERVICE FORECAST OFFICE.**

DISCUSSION AND 48-HOUR OUTLOOK

**AT 400 PM CDT, THE EYE OF HURRICANE HARVEY WAS LOCATED BY AIRCRAFT
RECONNAISSANCE AIRCRAFT AND NOAA DOPPLER RADAR NEAR LATITUDE 27.5
NORTH, LONGITUDE 96.5 WEST. HARVEY IS MOVING TOWARD THE NORTHWEST
NEAR 10 MPH, BUT ITS FORWARD SPEED IS EXPECTED TO DECREASE
SIGNIFICANTLY DURING THE NEXT COUPLE OF DAYS. ON THE FORECAST TRACK,
HARVEY WILL MAKE LANDFALL ON THE MIDDLE TEXAS COAST TONIGHT OR EARLY
SATURDAY. HARVEY IS THEN LIKELY TO MEANDER NEAR OR JUST INLAND OF THE**

MIDDLE TEXAS COAST THROUGH THE WEEKEND.

DATA FROM AN AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT INDICATE THAT MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 125 MPH WITH HIGHER GUSTS. HARVEY IS A CATEGORY 3 HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE. SOME ADDITIONAL STRENGTHENING IS POSSIBLE BEFORE HARVEY MAKES LANDFALL OVERNIGHT. WEAKENING IS THEN EXPECTED OVER THE WEEKEND WHILE THE CENTER MOVES INLAND OVER TEXAS.

HURRICANE-FORCE WINDS EXTEND OUTWARD UP TO 35 MILES FROM THE CENTER, AND TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 140 MILES. A STATION AT ARANSAS PASS, TEXAS, RECENTLY REPORTED A SUSTAINED WIND 56 MPH AND A GUST TO 71 MPH.

THE MINIMUM CENTRAL PRESSURE BASED ON AIRCRAFT RECONNAISSANCE DATA IS 941 MB.

HAZARDS AFFECTING LAND

RAINFALL: HARVEY IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 15 TO 30 INCHES AND ISOLATED MAXIMUM AMOUNTS OF 40 INCHES OVER THE MIDDLE AND UPPER TEXAS COAST THROUGH NEXT WEDNESDAY. DURING THE SAME TIME PERIOD HARVEY IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 5 TO 15 INCHES IN FAR SOUTH TEXAS AND THE TEXAS HILL COUNTRY OVER THROUGH SOUTHWEST AND CENTRAL LOUISIANA. RAINFALL OF THIS MAGNITUDE WILL CAUSE CATASTROPHIC AND LIFE THREATENING FLOODING.

STORM SURGE: THE COMBINATION OF A DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS MOVING INLAND FROM THE SHORELINE. THE WATER IS EXPECTED TO REACH THE FOLLOWING HEIGHTS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

N ENTRANCE PADRE ISLAND NATL SEASHORE TO SARGENT...6 TO 12 FT
SARGENT TO JAMAICA BEACH...5 TO 8 FT
PORT MANSFIELD TO N ENTRANCE PADRE ISLAND NATL SEASHORE...3 TO 5 FT
JAMAICA BEACH TO HIGH ISLAND...2 TO 4 FT
MOUTH OF THE RIO GRANDE TO PORT MANSFIELD...1 TO 3 FT
HIGH ISLAND TO MORGAN CITY...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST NEAR AND TO THE NORTHEAST OF THE LANDFALL LOCATION, WHERE THE SURGE WILL BE ACCOMPANIED BY LARGE AND DESTRUCTIVE WAVES. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE, AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA, PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

WIND: TROPICAL STORM CONDITIONS ARE OCCURRING IN PORTIONS OF THE HURRICANE AND TROPICAL STORM WARNING AREAS, AND HURRICANE CONDITIONS ARE EXPECTED TO BEGIN WITHIN THE HURRICANE WARNING AREA IN THE NEXT FEW HOURS. TROPICAL STORM CONDITIONS ARE LIKELY TO PERSIST ALONG PORTIONS OF THE COAST THROUGH AT LEAST SUNDAY.

SURF: SWELLS GENERATED BY HARVEY ARE AFFECTING THE TEXAS, LOUISIANA, AND NORTHEAST MEXICO COASTS. THESE SWELLS ARE LIKELY TO CAUSE LIFE-THREATENING SURF AND RIP CURRENT CONDITIONS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE.

TORNADOES: A FEW TORNADOES ARE POSSIBLE THROUGH SATURDAY NEAR THE MIDDLE AND UPPER TEXAS COAST INTO FAR SOUTHWESTERN LOUISIANA.

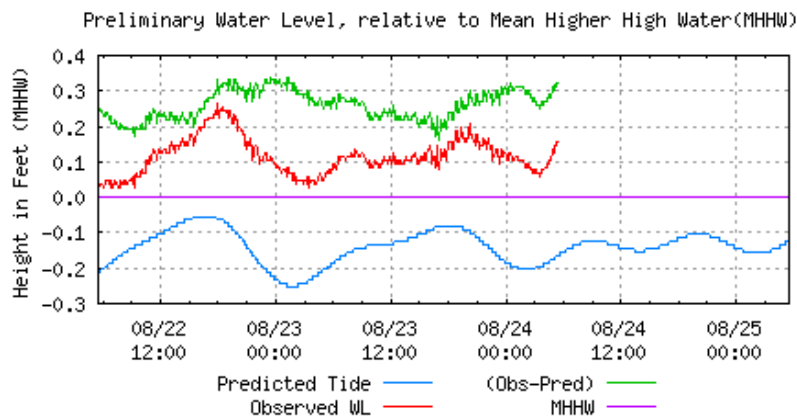
NEXT ADVISORY

NEXT INTERMEDIATE ADVISORY AT 700 PM CDT.
NEXT COMPLETE ADVISORY AT 1000 PM CDT.

FORECASTER BERG

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Rockport - Water Level](#), [Rockport - Winds](#), [Rockport - Barometric](#),
[Port Aransas - Water Level](#), [Port Aransas - Winds](#), [Port Aransas - Barometric](#),
[Bob Hall Pier, Corpus Christi - Water Level](#), [Bob Hall Pier, Corpus Christi - Winds](#),
[Bob Hall Pier, Corpus Christi - Barometric](#), [USS Lexington - Water Level](#),
[USS Lexington - Barometric](#), [Aransas Wildlife Refuge - Water Level](#),
[Aransas Wildlife Refuge - Winds](#), [Aransas Wildlife Refuge - Barometric](#),
[Port O'Connor - Water Level](#), [Port O'Connor - Winds](#), [Port O'Connor - Barometric](#),
[Port Lavaca - Water Level](#), [Port Lavaca - Winds](#), [Port Lavaca - Barometric](#),
[Matagorda City - Water Level](#), [Matagorda City - Winds](#), [Matagorda City - Barometric](#),
[Sargent - Water Level](#), [Sargent - Winds](#), [Sargent - Barometric](#), [Freeport - Water Level](#),
[Freeport - Winds](#), [Freeport - Barometric](#), [San Luis Pass - Water Level](#),
[San Luis Pass - Winds](#), [South Padre Island CG Station - Water Level](#),
[South Padre Island CG Station - Winds](#), [South Padre Island CG Station - Barometric](#),
[Galveston Bay Entrance, North Jetty - Water Level](#),
[Galveston Bay Entrance, North Jetty - Winds](#),
[Galveston Bay Entrance, North Jetty - Barometric](#),
[Texas Point, Sabine Pass - Water Level](#), [Texas Point, Sabine Pass - Winds](#),
[Texas Point, Sabine Pass - Barometric](#), [Calcasieu Pass - Water Level](#),
[Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#)

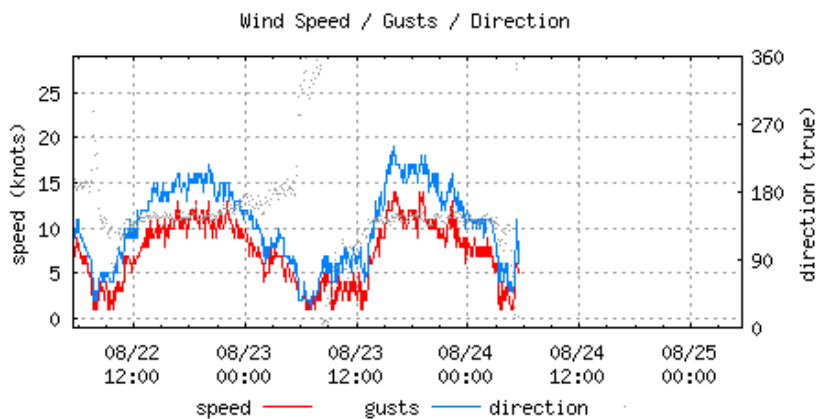
NOAA/NOS/CO-OPS [8774770 Rockport, TX](#)

Last Observed Sample: 08/25/2017 17:18 (CDT). Data relative to [MHHW](#)

Observed: 0.83 ft. Predicted: -0.16 ft. Residual: 0.99 ft.

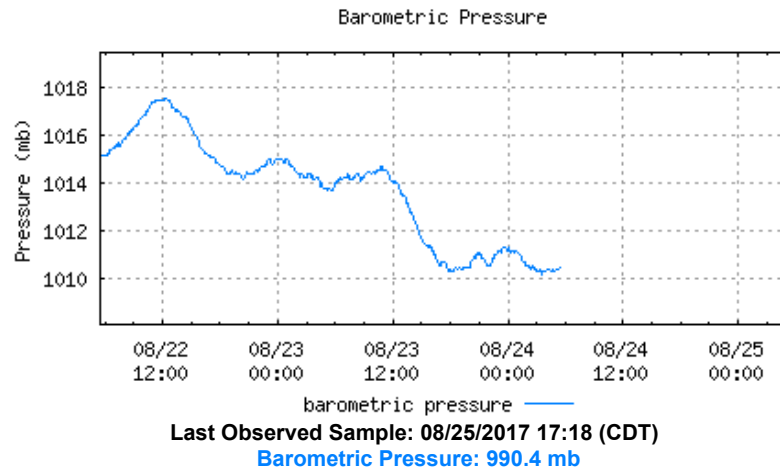
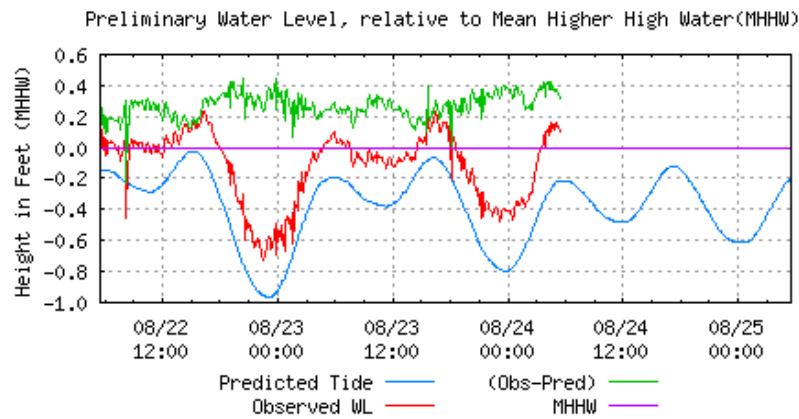
Historical Maximum Water Level: Aug 10 1980, 3.73 ft.

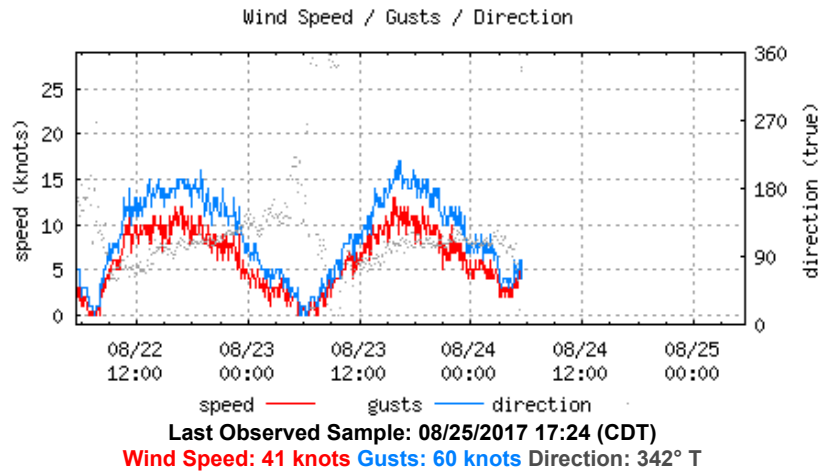
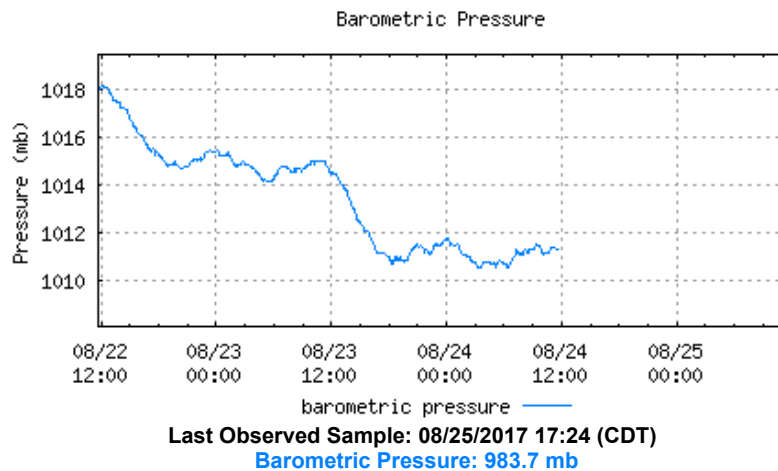
Next High Tide: 08/25/2017 22:48 (CDT), -0.11 ft.

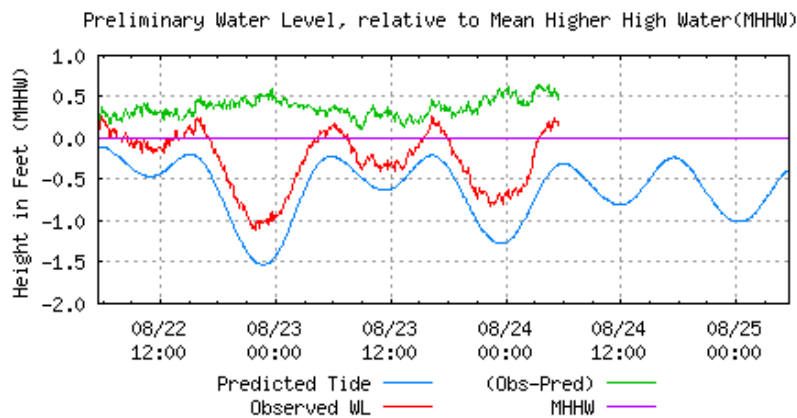
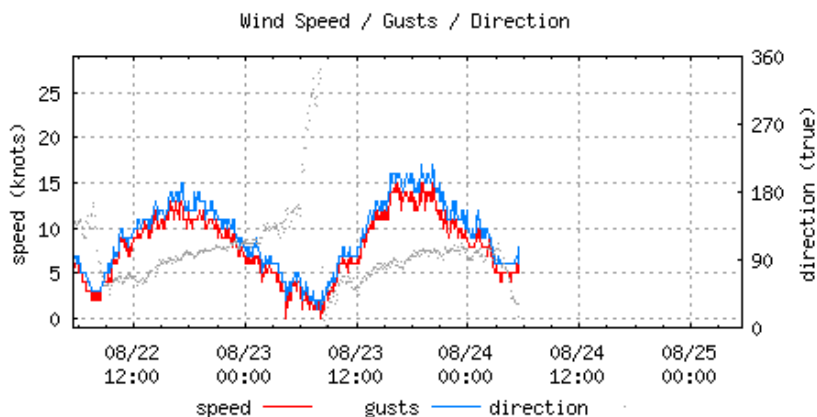
NOAA/NOS/CO-OPS [8774770 Rockport, TX](#)

Last Observed Sample: 08/25/2017 17:18 (CDT)

Wind Speed: 36 knots Gusts: 55 knots Direction: 21° T

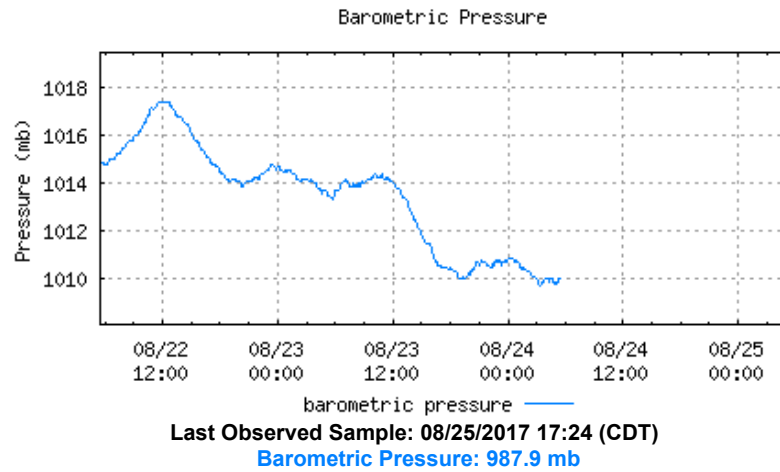
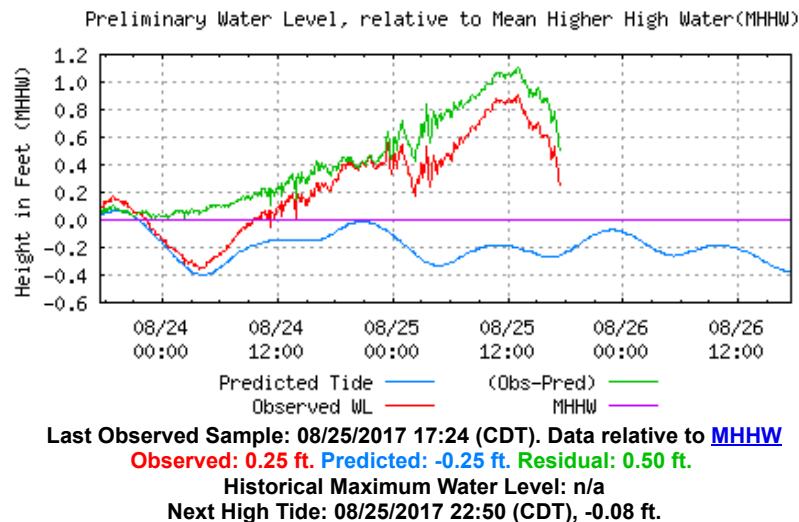
NOAA/NOS/CO-OPS [8774770 Rockport, TX](#)NOAA/NOS/CO-OPS [8775237 Port Aransas, TX](#)**Last Observed Sample: 08/25/2017 17:24 (CDT). Data relative to [MHHW](#)****Observed: 2.56 ft. Predicted: -0.20 ft. Residual: 2.76 ft.****Historical Maximum Water Level: n/a****Next High Tide: 08/25/2017 18:20 (CDT), -0.17 ft.**

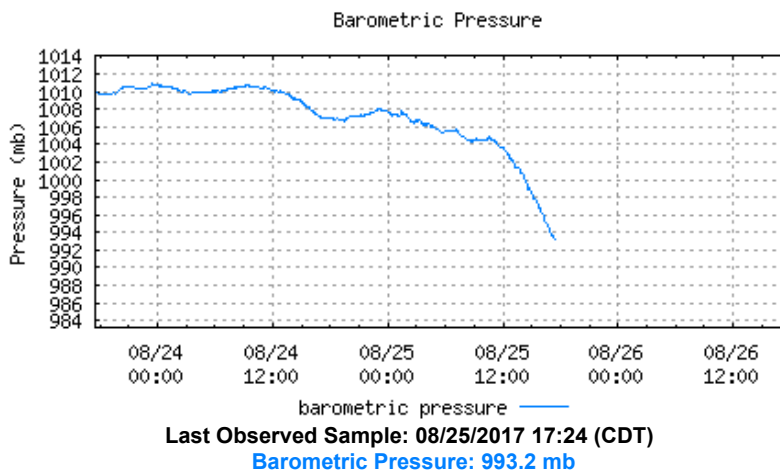
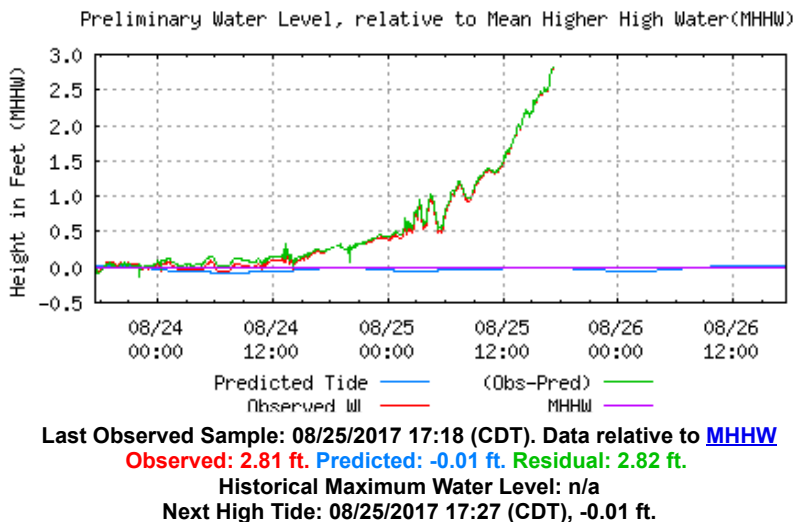
NOAA/NOS/CO-OPS [8775237 Port Aransas, TX](#)NOAA/NOS/CO-OPS [8775237 Port Aransas, TX](#)

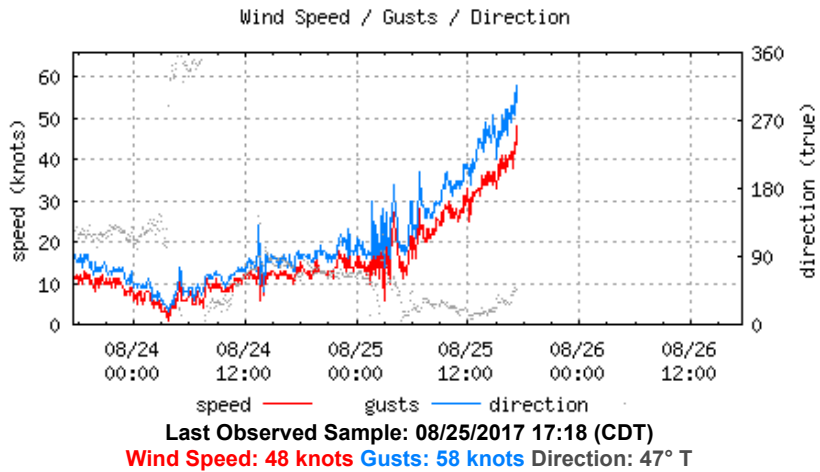
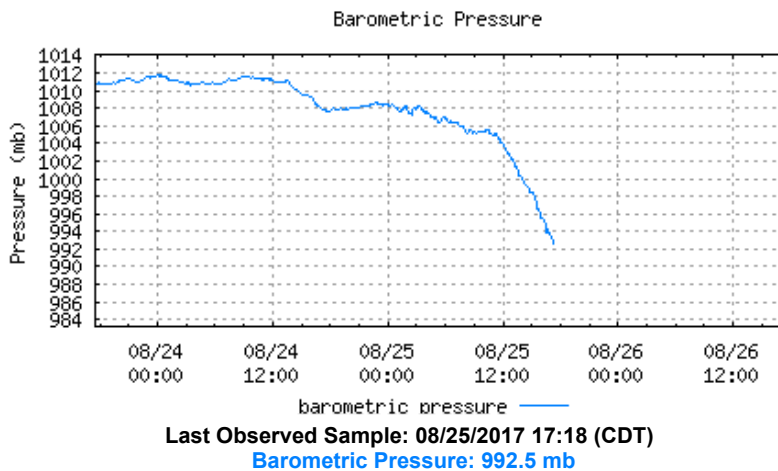
NOAA/NOS/CO-OPS [8775870 Bob Hall Pier, Corpus Christi, TX](#)Last Observed Sample: 08/25/2017 17:24 (CDT). Data relative to [MHHW](#)**Observed: 2.20 ft. Predicted: -0.33 ft. Residual: 2.53 ft.****Historical Maximum Water Level: Sep 13 2008, 3.98 ft.****Next High Tide: 08/25/2017 18:45 (CDT), -0.25 ft.**NOAA/NOS/CO-OPS [8775870 Bob Hall Pier, Corpus Christi, TX](#)

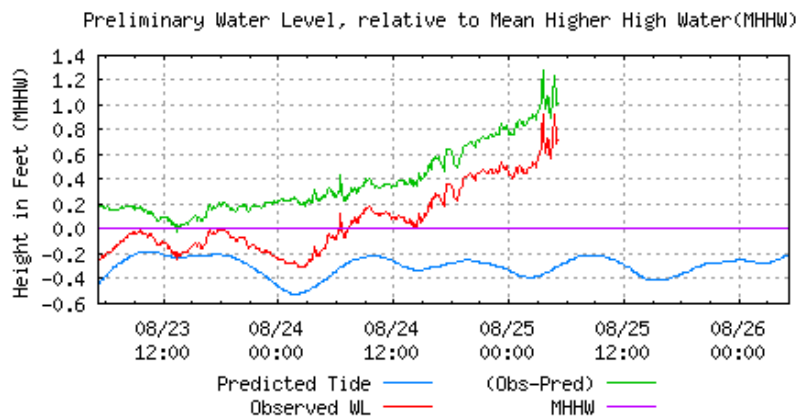
Last Observed Sample: 08/25/2017 17:24 (CDT)

Wind Speed: 47 knots Gusts: 63 knots Direction: 310° T

NOAA/NOS/CO-OPS [8775870 Bob Hall Pier, Corpus Christi, TX](#)NOAA/NOS/CO-OPS [8775296 USS Lexington, TX](#)

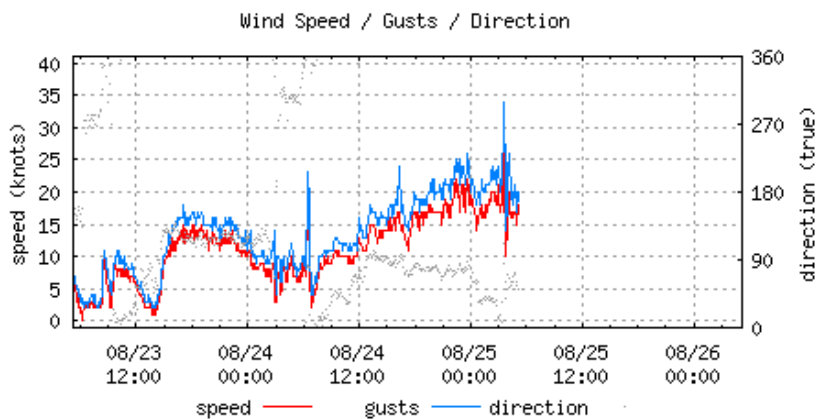
NOAA/NOS/CO-OPS [8775296 USS Lexington, TX](#)NOAA/NOS/CO-OPS [8774230 Aransas Wildlife Refuge, TX](#)

NOAA/NOS/CO-OPS [8774230 Aransas Wildlife Refuge, TX](#)NOAA/NOS/CO-OPS [8774230 Aransas Wildlife Refuge, TX](#)

NOAA/NOS/CO-OPS [8773701 Port O'Connor, TX](#)Last Observed Sample: 08/25/2017 17:18 (CDT). Data relative to [MHHW](#)**Observed: 2.49 ft. Predicted: -0.38 ft. Residual: 2.87 ft.**

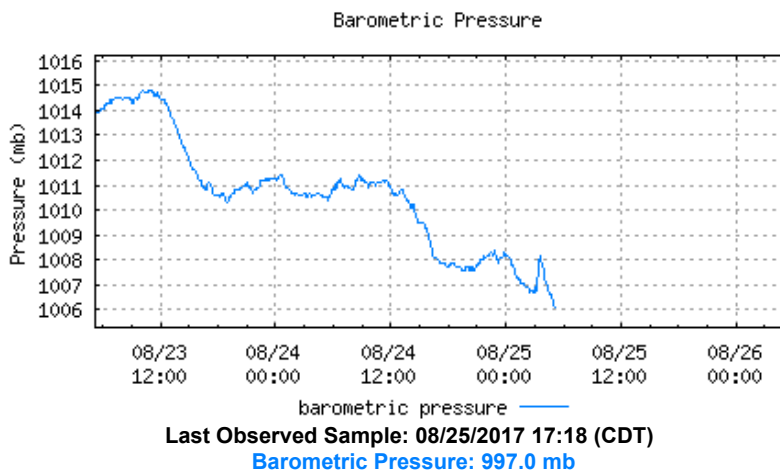
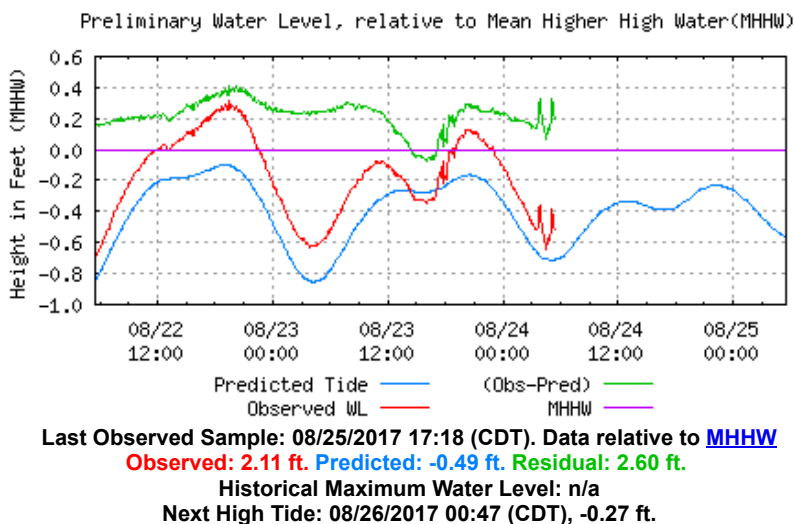
Historical Maximum Water Level: n/a

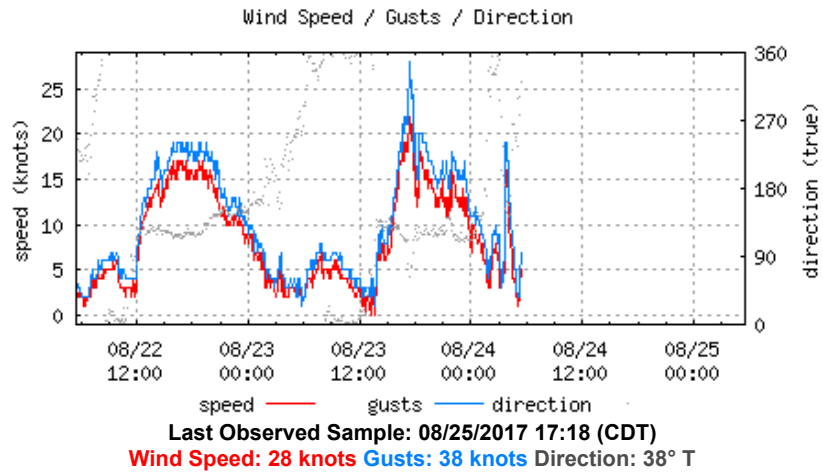
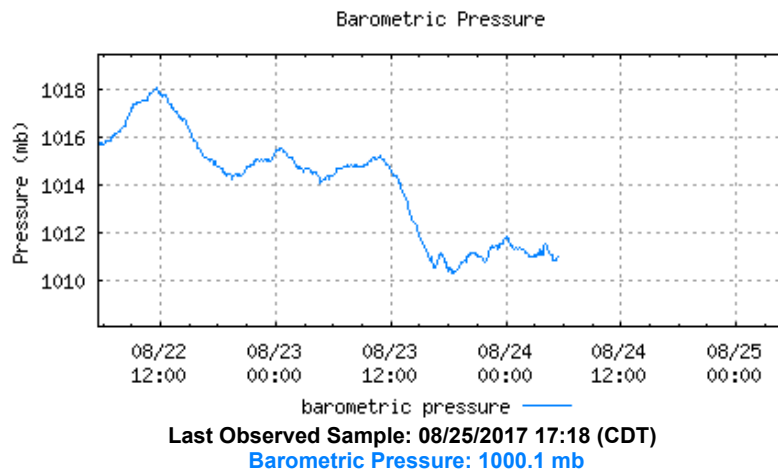
Next High Tide: 08/26/2017 00:10 (CDT), -0.25 ft.

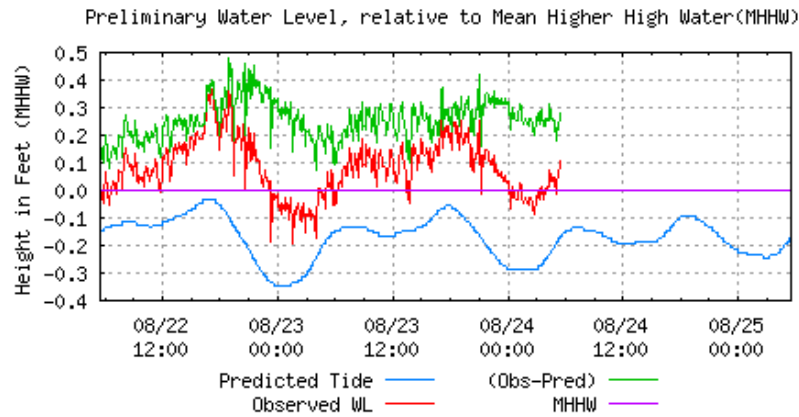
NOAA/NOS/CO-OPS [8773701 Port O'Connor, TX](#)

Last Observed Sample: 08/25/2017 17:18 (CDT)

Wind Speed: 33 knots Gusts: 41 knots Direction: 71° T

NOAA/NOS/CO-OPS [8773701 Port O'Connor, TX](#)NOAA/NOS/CO-OPS [8773259 Port Lavaca, TX](#)

NOAA/NOS/CO-OPS [8773259 Port Lavaca, TX](#)NOAA/NOS/CO-OPS [8773259 Port Lavaca, TX](#)

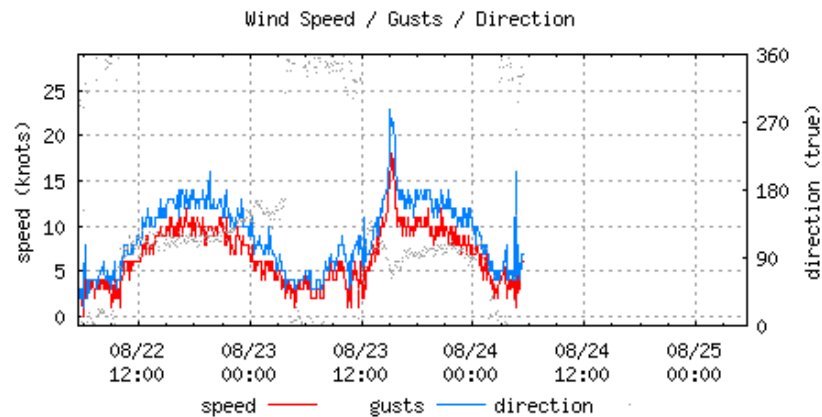
NOAA/NOS/CO-OPS [8773146 Matagorda City, TX](#)

Last Observed Sample: 08/25/2017 17:18 (CDT). Data relative to [MHHW](#)

Observed: 1.82 ft. Predicted: -0.18 ft. Residual: 2.00 ft.

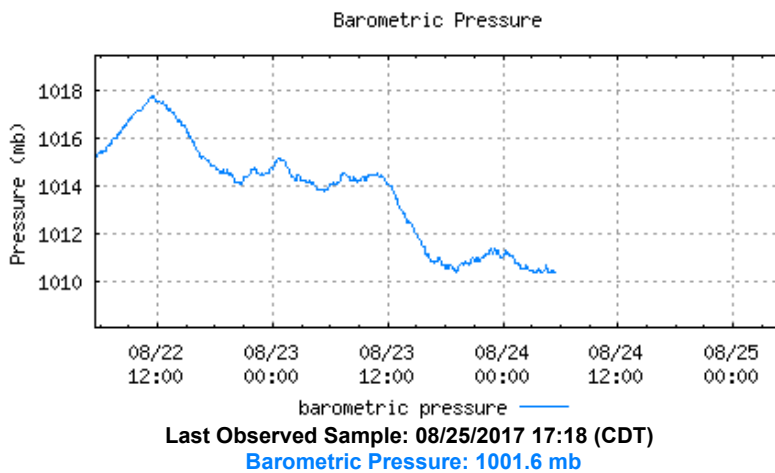
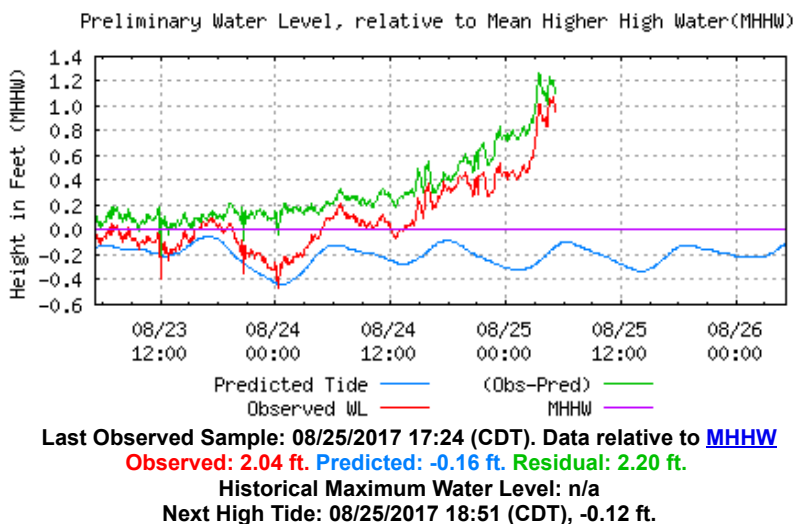
Historical Maximum Water Level: n/a

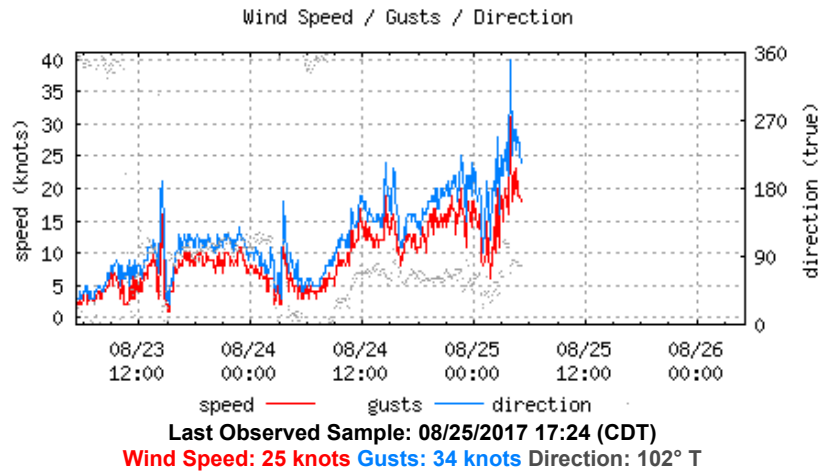
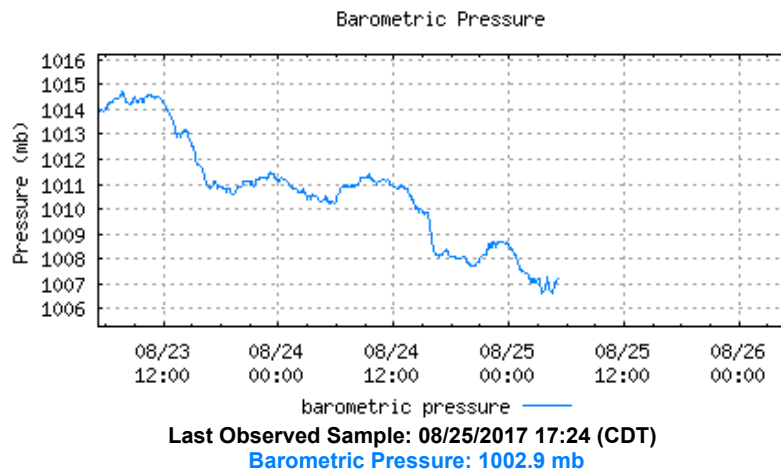
Next High Tide: 08/25/2017 20:08 (CDT), -0.12 ft.

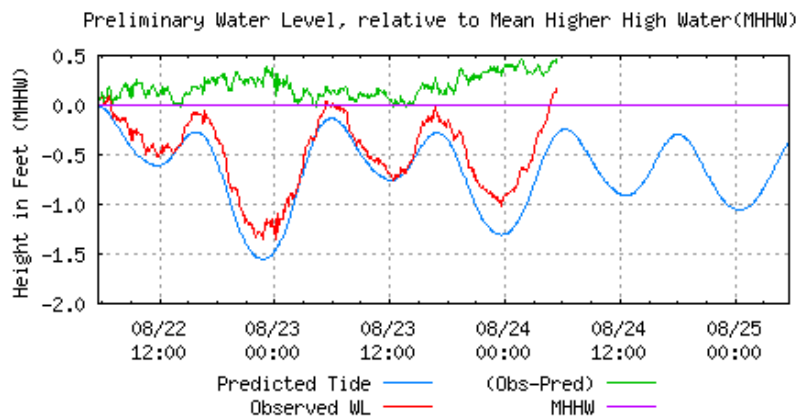
NOAA/NOS/CO-OPS [8773146 Matagorda City, TX](#)

Last Observed Sample: 08/25/2017 17:18 (CDT)

Wind Speed: 26 knots Gusts: 32 knots Direction: 70° T

NOAA/NOS/CO-OPS [8773146 Matagorda City, TX](#)NOAA/NOS/CO-OPS [8772985 Sargent, TX](#)

NOAA/NOS/CO-OPS [8772985 Sargent, TX](#)NOAA/NOS/CO-OPS [8772985 Sargent, TX](#)

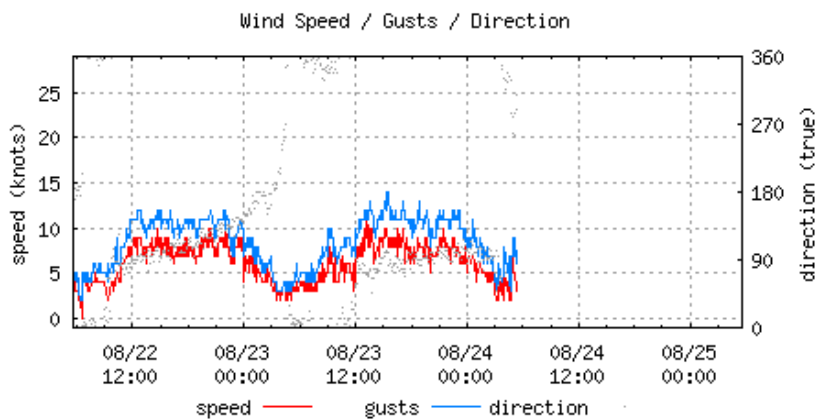
NOAA/NOS/CO-OPS [8772447 Freeport, TX](#)

Last Observed Sample: 08/25/2017 17:18 (CDT). Data relative to [MHHW](#)

Observed: 2.52 ft. Predicted: -0.50 ft. Residual: 3.02 ft.

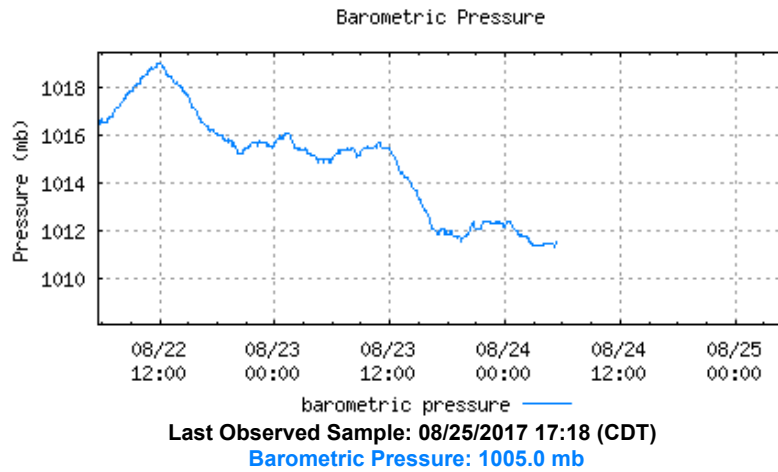
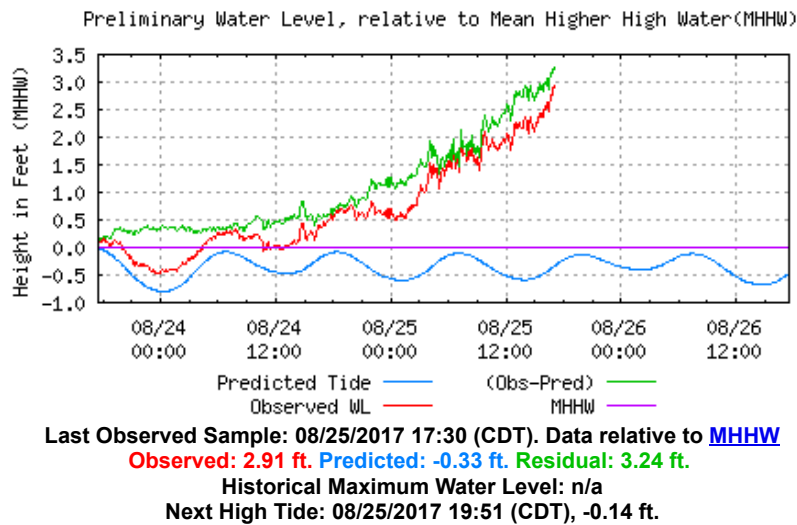
Historical Maximum Water Level: Sep 12 2008, 5.58 ft.

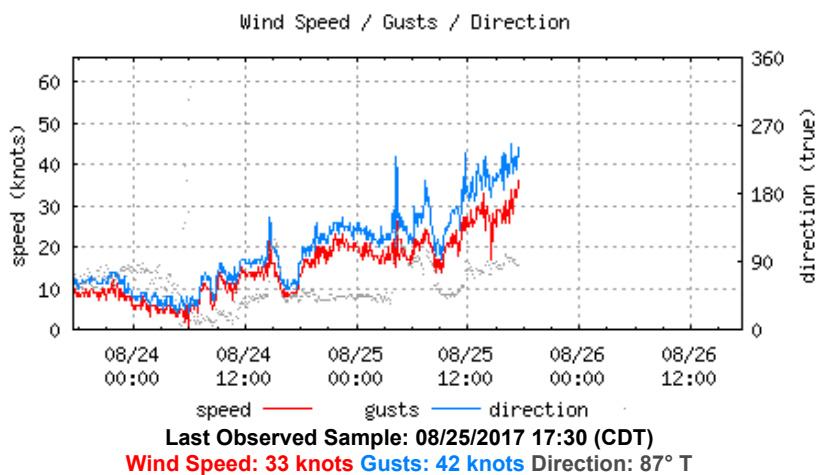
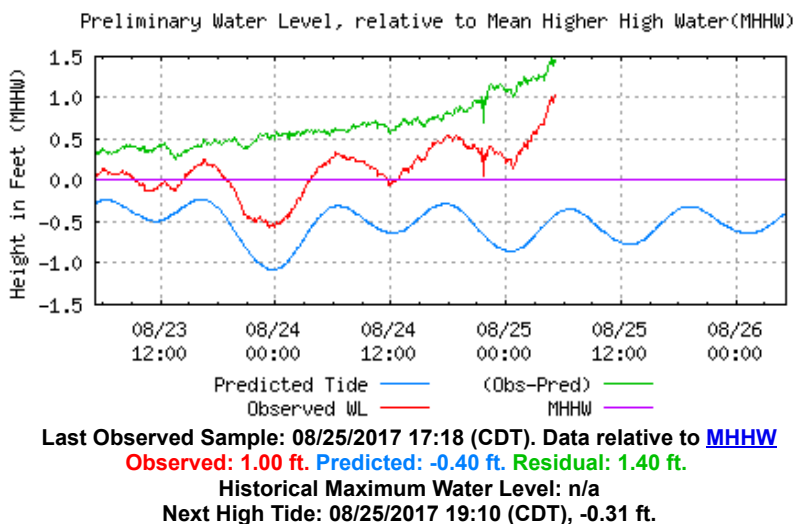
Next High Tide: 08/25/2017 19:14 (CDT), -0.32 ft.

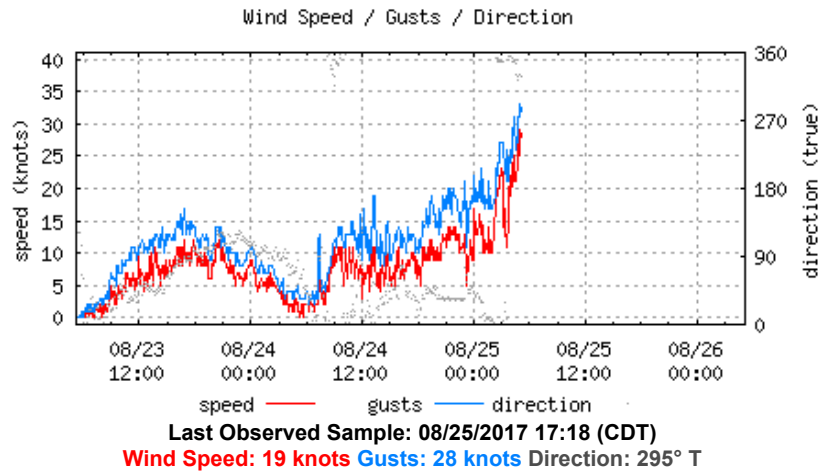
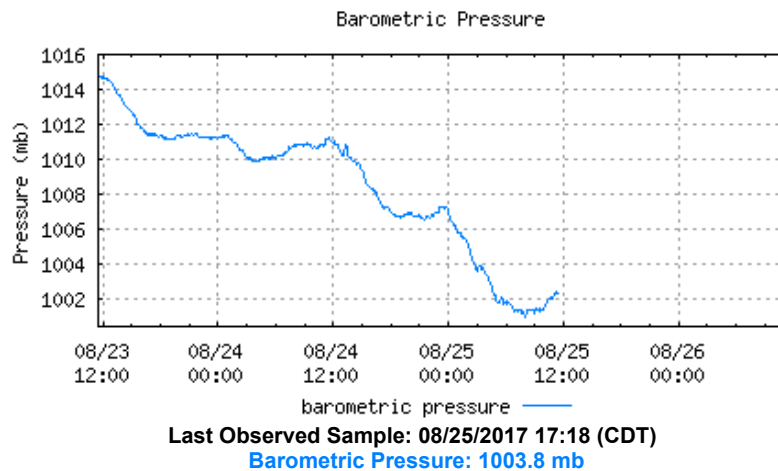
NOAA/NOS/CO-OPS [8772447 Freeport, TX](#)

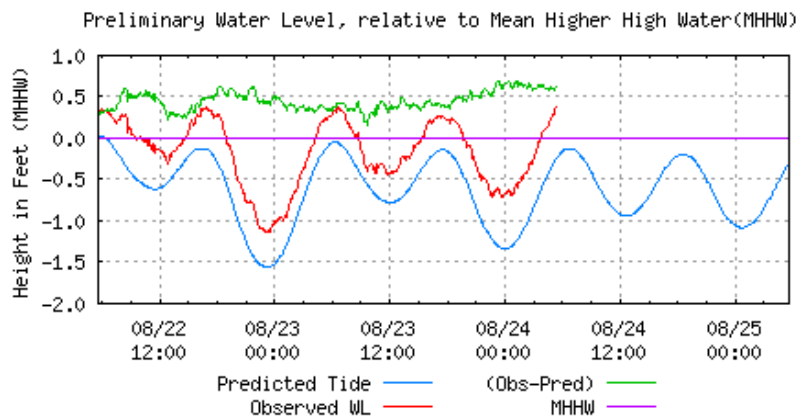
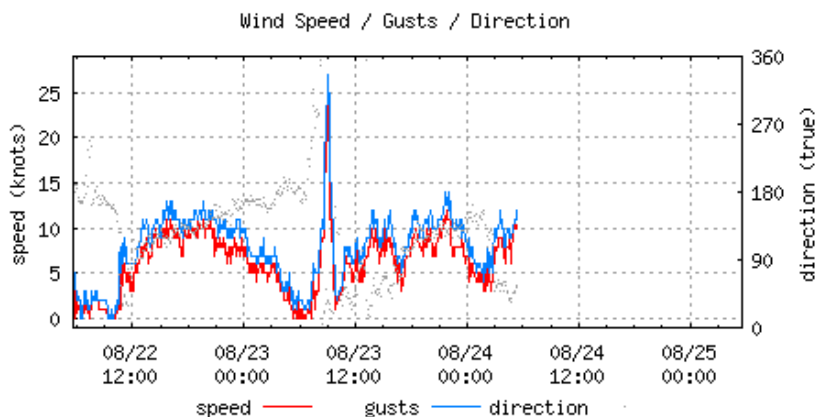
Last Observed Sample: 08/25/2017 17:18 (CDT)

Wind Speed: 25 knots Gusts: 39 knots Direction: 77° T

NOAA/NOS/CO-OPS [8772447 Freeport, TX](#)NOAA/NOS/CO-OPS [8771972 San Luis Pass, TX](#)

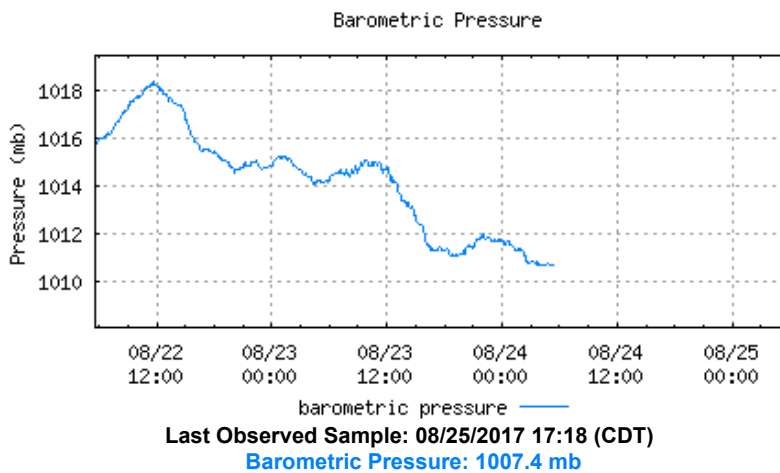
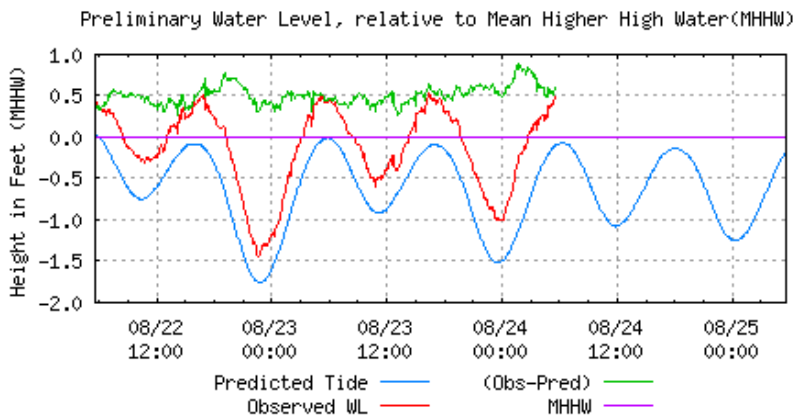
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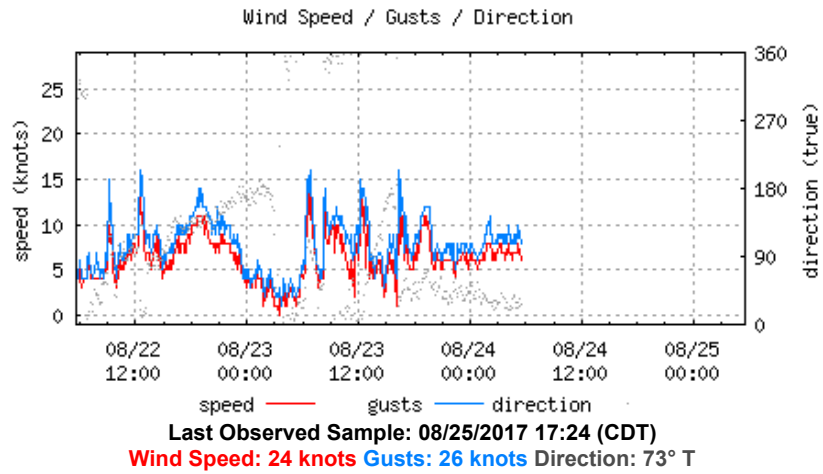
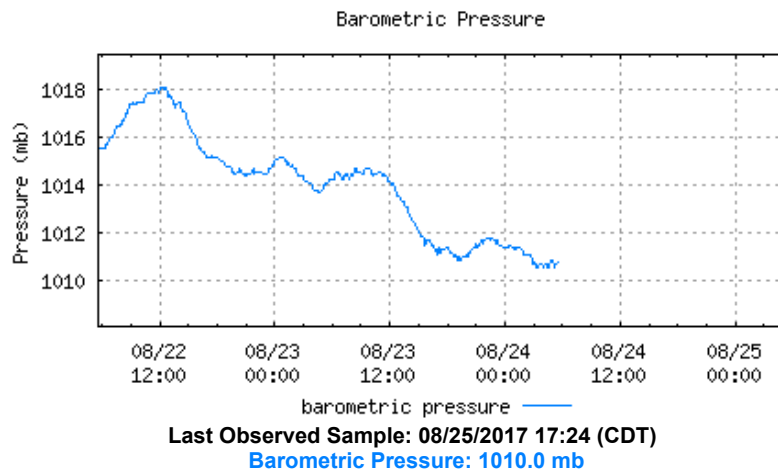
NOAA/NOS/CO-OPS [8779748 South Padre Island CG Station, TX](#)NOAA/NOS/CO-OPS [8779748 South Padre Island CG Station, TX](#)

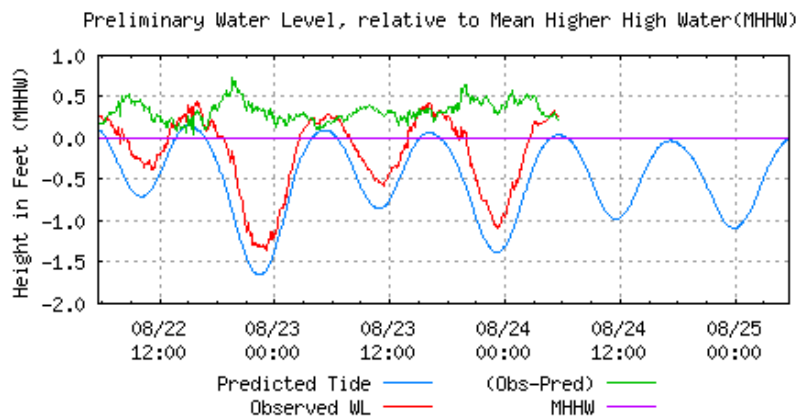
NOAA/NOS/CO-OPS [8771341 Galveston Bay Entrance, North Jetty, TX](#)Last Observed Sample: 08/25/2017 17:18 (CDT). Data relative to [MHHW](#)**Observed: 1.38 ft. Predicted: -0.50 ft. Residual: 1.88 ft.****Historical Maximum Water Level: Jul 15 2003, 4.08 ft.****Next High Tide: 08/25/2017 19:56 (CDT), -0.24 ft.**NOAA/NOS/CO-OPS [8771341 Galveston Bay Entrance, North Jetty, TX](#)

Last Observed Sample: 08/25/2017 17:18 (CDT)

Wind Speed: 30 knots Gusts: 37 knots Direction: 74° T

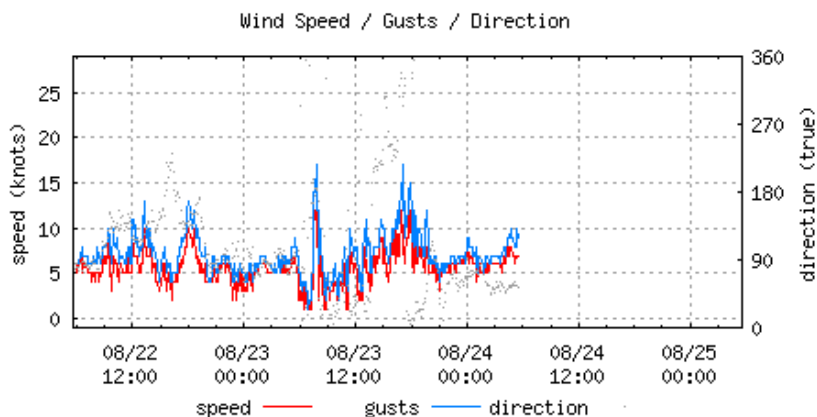
NOAA/NOS/CO-OPS [8771341 Galveston Bay Entrance, North Jetty, TX](#)NOAA/NOS/CO-OPS [8770822 Texas Point, Sabine Pass, TX](#)**Last Observed Sample: 08/25/2017 17:24 (CDT). Data relative to [MHHW](#)****Observed: 1.10 ft. Predicted: -0.32 ft. Residual: 1.42 ft.****Historical Maximum Water Level: Mar 20 2012, 1.91 ft.****Next High Tide: 08/25/2017 19:15 (CDT), -0.19 ft.**

NOAA/NOS/CO-OPS [8770822 Texas Point, Sabine Pass, TX](#)NOAA/NOS/CO-OPS [8770822 Texas Point, Sabine Pass, TX](#)

NOAA/NOS/CO-OPS [8768094 Calcasieu Pass, LA](#)Last Observed Sample: 08/25/2017 17:18 (CDT). Data relative to [MHHW](#)**Observed: 0.74 ft. Predicted: -0.18 ft. Residual: 0.92 ft.**

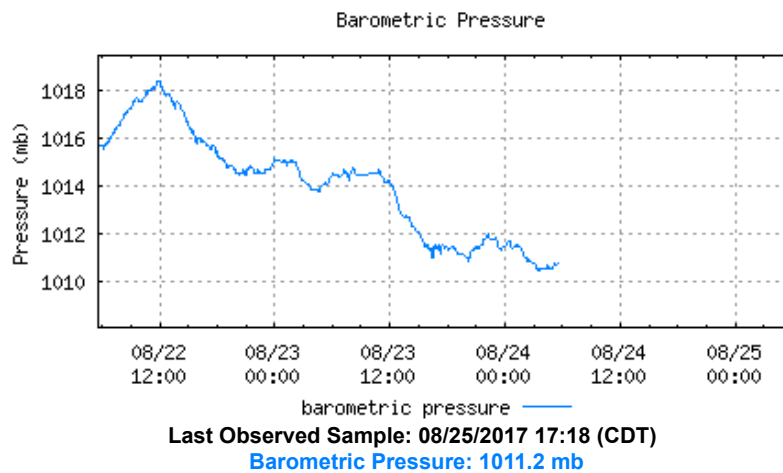
Historical Maximum Water Level: Sep 13 2008, 9.96 ft.

Next High Tide: 08/25/2017 18:23 (CDT), -0.13 ft.

NOAA/NOS/CO-OPS [8768094 Calcasieu Pass, LA](#)

Last Observed Sample: 08/25/2017 17:18 (CDT)

Wind Speed: 12 knots Gusts: 17 knots Direction: 93° T

NOAA/NOS/CO-OPS [8768094 Calcasieu Pass, LA](#)

Latest Water Level Observations on [MHHW](#)

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8774770	Rockport, TX	08/25/2017 17:18 (CDT)	0.83 ft	-0.16 ft	0.99 ft	1.29 ft
8775237	Port Aransas, TX	08/25/2017 17:24 (CDT)	2.56 ft	-0.20 ft	2.76 ft	2.67 ft
8775870	Bob Hall Pier, Corpus Christi, TX	08/25/2017 17:24 (CDT)	2.20 ft	-0.33 ft	2.53 ft	2.89 ft
8775296	USS Lexington, TX	08/25/2017 17:24 (CDT)	0.25 ft	-0.25 ft	0.50 ft	0.91 ft
8774230	Aransas Wildlife Refuge, TX	08/25/2017 17:18 (CDT)	2.81 ft	-0.01 ft	2.82 ft	2.81 ft
8773701	Port O'Connor, TX	08/25/2017 17:18 (CDT)	2.49 ft	-0.38 ft	2.87 ft	2.73 ft
8773259	Port Lavaca, TX	08/25/2017 17:18 (CDT)	2.11 ft	-0.49 ft	2.60 ft	2.18 ft
8773146	Matagorda City, TX	08/25/2017 17:18 (CDT)	1.82 ft	-0.18 ft	2.00 ft	1.84 ft
8772985	Sargent, TX	08/25/2017 17:24 (CDT)	2.04 ft	-0.16 ft	2.20 ft	2.04 ft
8772447	Freeport, TX	08/25/2017 17:18 (CDT)	2.52 ft	-0.50 ft	3.02 ft	2.52 ft
8771972	San Luis Pass, TX	08/25/2017 17:30 (CDT)	2.91 ft	-0.33 ft	3.24 ft	2.92 ft
8779748	South Padre Island CG Station, TX	08/25/2017 17:18 (CDT)	1.00 ft	-0.40 ft	1.40 ft	1.24 ft
8771341	Galveston Bay Entrance, North Jetty, TX	08/25/2017 17:18 (CDT)	1.38 ft	-0.50 ft	1.88 ft	1.94 ft
8770822	Texas Point, Sabine Pass, TX	08/25/2017 17:24 (CDT)	1.10 ft	-0.32 ft	1.42 ft	1.50 ft
8768094	Calcasieu Pass, LA	08/25/2017 17:18 (CDT)	0.74 ft	-0.18 ft	0.92 ft	1.19 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce